

## CLAIMS

**WE CLAIM:**

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6. A narrow band excimer laser comprising:

- A) a laser chamber comprising
  - 1) two electrodes;
  - 2) an excimer laser gas;
  - 3) a blower means for circulating the gas;
  - 4) a pulse power means for creating discharges between said electrodes to produce excimer laser pulses;
- B) a resonant cavity comprising an output coupler and a line narrowing unit said line narrowing unit comprising:
  - 1) first direction beam expander positioned to expand a beam from said laser in a first direction;
  - 2) a second direction beam expander positioned to expand said beam in a second direction; and
  - 3) a grating positioned to reflect a selected narrow band of wavelengths back, via said second direction beam expander and said second direction beam expander, to said laser chamber for amplification.

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7. A laser as in Claim 1 wherein said first direction is horizontal and said second direction is vertical.

8. A laser as in Claim 1 wherein said first direction beam expander is comprised of at least one prism and said second direction beam expander is comprised of at least one prism.

9. A laser as in Claim 1 wherein said first direction beam expander is comprised of three prisms and said second direction beam expander is comprised of a single prism.

10. A laser as in Claim 1 and further comprising a tuning mirror.